

HDMI Output Frame Rate Change and OSD Setting

Series 1

Adapt Models: Q30T, Q30T pro, U30T, U30T pro, U30TIR, U30TIR-50, Q30TIR, Z30TIR, Z10TL, Z30TL, Z30TM, Q30TIRM Software: Cloud Platform Control V1.991

1. Connect computer and gimbal serial port by a USB to TTL cable

1) Connection method:

USB to TTL cable GND ------ Gimbal GND (as shown in below image)

USB to TTL cable TX ------ TX (printed on Viewpro gimbal controller Z-3D)

USB to TTL cable RX ------ RX (printed on Viewpro gimbal controller Z-3D)

Diagram:

TTL 3.3v UART baud : 115200/9600(some version) , 8/1/N, HEX



2) The USB to TTL cable connecting photo (Red 5V, Black GND, White RXD, Green TXD)



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2. Install Software "Cloud Platform Control V1.991", start it.

3. Test connection:

- 1) Power on the gimbal camera. Select the current port COM(X);
- 2) Click the "Enlarge", then camera lens zoom, picture zoom, connecting well.

I/O ID COM2 Y BAUD 115200 Y Check mode MARKPARITY	Narrow 100 Enlarge Narrow 50 Enlarge	Narrow 50 2) Enlar
racking control O:visible light+Inf; OK Cross wire control O:visible light+Inf; OK UP X: Pseudo color Iaage Enhancement Adaptive texplate OK OK LEFT RIOHT Prozen Thav DOVN Y: O Start storage OK AKEL Exit tracking Infrared preservation OK CAKEL Exit tracking Infrared preservation Stall shutter Preservation node Network Network Interlaced scanning Video length og ON Alarn texperature hear V High texperature Cox V High texperature Low temperature	OSDURE Format Residual All States display the miss distance and state Format Residual Biding time Hidde field of view Ourry State Breaminin Save the OSD setting parameters Time input States display the field of view States display the field of view Cloud platform angle input Figl angle display [Field/anglifter input] States the output of the attitude angle States the output of the attitude angle 2017 Year Month Day Day Second Heading angle 0 OFS_N 41.70000430° Fitching angle 0 OFS_N 41.70000430° Fitching angle 0 OFS_N 41.70000430° OCT Attack	Zoon VISC C Private agreement VISC g Barrow f Display reception 160 Set time

4. HDMI Output Frame Rate Change Setting Method

4.1 Change HDMI output frame rate to 1080p30

1) Select "Sony7520", click "OSD settings".

2) Select 1080p29.97 as shown below, relevant instructions will be sent, and feedback information of 90-41-ff-90-51-ff will be received at the same time. Then the change is successful.

I/O I/O ID COM2 V BAUD IS200 V Check mode NOPARITY	Temperature Compensation Coefficient	Contrast Ratio	Brightness
STATUS: COM2 OPENED, 115200, N, 8, 1	Narrow 100 Enlarge	Narrow 50 Enlarge	Narrow 50 Enlarg
Tracking control	OSD设置	Regidual	Zoon
Cross wire control • 0:wisible light+Inf • 0K	Ride OSD Ride cross frame Ride GrS	Format capacity	
UP X: 0	☐ Hiding time ☐ Hidden field of view	Query State Number of Remaining Tenses	Narrow 2 Enlar
LEFT I RIGHT Frozen They Single capture	GPS is relative coordinate GPS input	SDcard Length of Capacity Video	Display reception
DOWN Y: 0 Start storage Stop storage	Field angle display Field/amplifier input		60 intervals empt
OK CANCEL Exit tracking Infrared preservation -	2017 Year 1 Month 1 Day	接收信息 ££-90-41	
Stall shutter Preservation mode Video length 600	0 Hour 0 Minute 0 Second	按W 目記 ff-90-51 摄收信息 ff-90-51-ff-90-41	1
Steady ON	Heading angle 0 GPS_N 41.70660430		
Fog ON Alarm temperature 0 OK	Pitching angle 0 GPS_E 123.4414615 Roll angle 0 GPS_H 0		
High temperature Los temperature	Sony7520 💌 OSD settings		
Compensation temperature			
Manual input	Manual input	1	
		1 I	

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2.4 Change HDMI output frame rate to 1080p60

1) Select 1080p60 as shown below, relevant instructions will be sent, and feedback information of 90-41-ff-90-51-ff will be received at the same time.

2) Select Sony7520(60HZ), click "OSD settings". Then the change is successful.

Cloud Platform Control V1.991	
Cloud Platform Control V1.991 I/O I/O ID COM2 BAUD IS200 Check mode MDFARITY STATUS: COM2 OFENED: 115200, N, 0, 1 Tracking control UF X: 0 Pseudo color Image Enhancement UF X: 0 Pseudo color Image Enhancement UF X: 0 Pseudo color Image Enhancement UF X: 0 Start storage OK CANCEL Exit tracking Infrared preservation Video length 500 Steady ON	Image: Severities of the set of the
High temperature Low temperature 1080p/60 T Compensation temperature 0 Manual input Send instruction 81-01-04-24-72-01-05-ff-90-41-ff-90-51-ff	Sony7520 (80Hz)

5. OSD display or hide settings

1) Select the options that you need to display on OSD, then select "Save the OSD setting parameters", click "OSD settings":

I/O ID CO	M2 _	• BAUD .1520 RED • 115200, N, 8	0 • Che	ck mode NOPARITY	<u> </u>	Narrow 100	Enlarge	Narrow 50	Enlarge	Narrow 50	Enlarg
Tracking co Cross wir LEFT OK Stall sh Networ Steady ON Fog ON 1080p/60	ntrol	ol ▼ X: 0 X: 0 Y: 0 Exit tracki mterlaced scan Tenper Alara t Tenper Nich Conp	0:visible light+I Pseudo color Adaptive tenplo Frozen Thew Start storage ng Infrared pr Preservition ning Video lengt ture measurement megereture 0 rrature bu tenperature 1 ensation tenperature	nf v OK Image Enhancement te v OK Single capture Stop storage servation v mode v h 000 OK ov temperature e 0	OSD&# Net Alle OSD All State: Save the (FS Save the (FS Save and C For Save and C For Save and C For Save and C Net All Save and C Net</th><th>☐ Hide cross fram. s display the miss d s display the miss d SED setting paramete Lative coordinate tform engle input te display Trial heter border Hinter Bench ar Bench gle 0 <tr</th><th>v Hide GPS istance and state of vice rs Time input of S input big font amplifier input attitude angle 1 Day 0 Second S_F 123.4414615 S_H 0 SB settings</th><th>Fornat Query State STeard Capacity Having Construction Having Construction Having Construction Having Construction Having Having Construction Having</th><th>Residual capacity Number of Remaining Video ff-90-41 ff-90-41 ff-90-41 ff-90-41 ff-90-41 ff-90-41 ff-90-41 ff-90-41 ff-90-41</th><th>Zom C Frivate agreement Narrow D Display reception Set time intervals</th><th>© VISCA</th></tr><tr><td>Manual inpu nd instruct:</td><td>ion 7e- da-</td><td>7e-44-10-30-83 44-40-7£-82-cb</td><td>-d1-e1-07-01-01-00- -e7-40-dc-5e-40-00-</td><td>00-00-00-00 00-00 00-00-00-34</td><td>-00-00-00-00-00</td><td>)-00-00-00-00-24-83-</td><td>Manual input 90-02-72</td><td>ff-90-51</td><td>-ff-90-41</td><td></td><td></td></tr></tbody></table>						

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2) Hide all OSD

Uncheck the options you don't want to display, press "OSD settings", then OSD hide.

1/0 1/0 ID COM2 BAUD 15200 Check mode NOPARITY STATUS: COM2 OFENED, 115200, N, 8, 1	Image: Second
Tracking control Cross wire control O:visible light+Inf OK	CSD127 Hide CSD 7 Hide cross frame 7 Hide GFS Format Capacity C Private agreement ⓒ VISC.
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OK CANCEL Exit tracking Infrared preservation Image: Cancel of the second secon	Z017 Year II Bonth II Day House
teady ON Temperature measurement Alarm temperature Da OK Contemporature bas	Heading angle 0 GFS_M 41.70660430 How (18) Fitching angle 0 GFS_E 123.4414615 How (18) Roll angle 0 GFS_M 0 GFS_F Witell 0 GFS_M 0 GFS_F
080p/60 I High temperature Low temperature Compensation temperature 0	SonyT520 (60Hz) ・ 05D settings ff-90-51-ff-90-41 接換信息 ff-90-51-ff-90-41 接換信息 ff-90-51-ff-90-41 接換信息 ff-90-51-ff-90-41 接換信息 ff-90-51-ff-90-41 接換信息 ff-90-51-ff-90-41 接換信息 ff-90-51-ff-90-41
d instruction	Manual input

Note: After the gimbal power on, click "Save the OSD setting parameters" and click "OSD settings", the settings can be saved once. Click on "OSD settings" again it will not save again. Want to re-save the settings, you need to re-start the gimbal.